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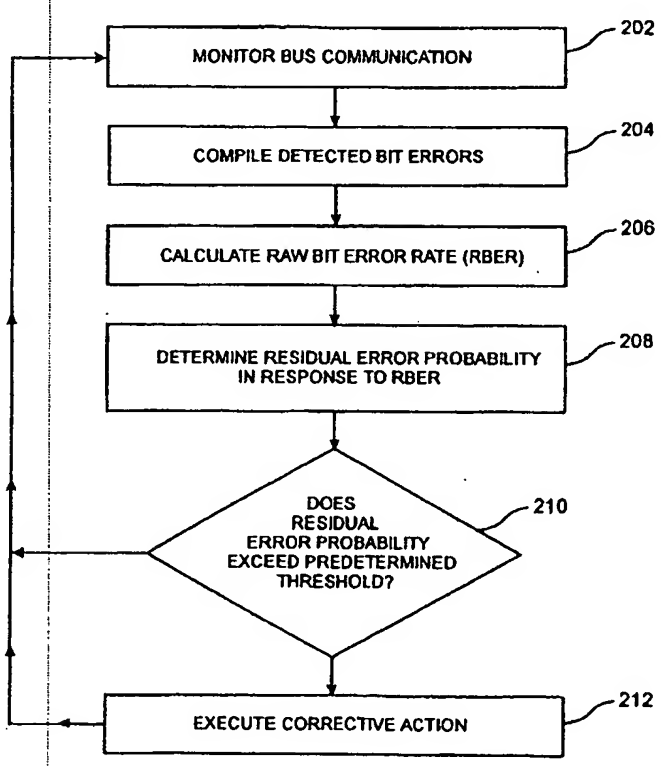
(54) Title: RESIDUAL ERROR HANDLING IN A CAN NETWORK



(57) Abstract: A method and apparatus for improving communication throughout a network is disclosed. The network includes a module capable of transmitting messages in response to a change of state. Bit errors transmitted within network are detected and a detected bit error rate is calculated. A residual, i.e., undetected, error probability is determined in response to the detected bit error rate. Corrective action towards reducing the effects of the residual errors is taken, e.g., retransmission of messages, in response to the residual error probability exceeding a predetermined threshold.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L1/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 828 672 A (TURCOTTE ERIC ET AL) 27 October 1998 (1998-10-27)	1,3,5-9, 11, 13-21, 23, 25-29, 31, 33-37, 39,41-44
Y	column 1, line 13 - line 18 column 2, line 22 - line 39 column 4, line 11 - line 27 column 6, line 30 - line 56 claim 1	4,12,24, 32,40

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
2 June 2003	17/06/2003

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Schiffer, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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